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Freight Mobility Strategic Investment Program Application Form Project Summary

PROJECT TITLE				
APPLICANT ORGANIZ	ATION	Agency Number:		
Lead Agency:		rigorey rumber.		
Contact Person:		Title:		
Address:		Telephone:		
Email:		FAX:		
PROJECT LOCATION				
City:				
County:				
Legislative District(s):				
IDENTIFY STRATEGIC	FREIGHT CORRIDO	OR on which this project is located. (Attached a		
detailed vicinity map of the	e proposed project.)			
PROJECT ADDRESSED	IN ANY REGIONAL	and/or STATE TRANSPORTATION PLANS		
Regional Plan				
	Name of Plan	Date		
State Plan				
	Name of Plan	Date		
ATTACHMENTS				
X7' ' ' N# /	' 1\			
Vicinity Map (req	uired)			
COST SUMMARY		MATCHING FUNDS SUMMARY (must be		
Total Project Cost: \$		available at time of obligation)		
		T-4-1 N/I-4-1		
English Makilita English Da		Total Match: \$		
Freight Mobility Funds Re	_	Dell's Coston &		
\$		Public Sector: \$		
		Private Sector: \$		
		Total Motab Dagantaga, 0/		
		Total Match Percentage:%		
_				

Funding Detail

Partnership	s:							
Public Sector N	1atch	Anticipated	Committed	Dollars				
Lead Agency F	unds							
Private Sector I	Match							
Partner	ship Total			-				İ
	0111p . 01c.				l			
		Total	PE	RW	CN			l
FMSIE	3 Request					l		
Public Sector N								
Lead Agency F								
Private Sector I	Match							
	Need							
	Total					21124	1	
	Tentative timeframe	Ad Date	Completed	Completed	Completed	CN Start		
ا	lillelianie						-	
Cash Flow I	Noods.							
Dollars (in t		Before 7/01	7/01 - 6/03	7/03 - 6/05	7/05 - 6/07	7/07 - 6/09	TOTAL	7
P.E. Phase	Total		7/01 - 0/03	1103 - 0103	1103 - 0101	1101 - 0103	IOIAL	-{
	ght Mobility							1
R.W. Phase	Total							1
	ght Mobility							1
CN. Phase	Total							1
	ght Mobility							1
			-	Freiah	t Mobility	, TOTAL	\$	%
i						hip TOTAL		%
						roject Cost		%
						10,000 0000	Ψ	,,

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barriers to dimpacts on la (Reducing brouting proproutes; dediffreight term	ribe the scope of the or increase capacity local communities of parriers or increasing ject to avoid excessificated truck lanes; aninals; truck turning	for improved for increasing free free graph increasing free free free free free free free fre	freight moveme eight movement udes: truck clin ng grades or ge or out of ports, s in roadway or	nt; and/or (b) miti, including rail and bing lanes, re-aligneral congestion; inter-modal freight intersection geom	gate the d road conflice gnment and re alternate truc nt facilities an netry to better
Systems (IT	te trucks; increasings). Mitigation incluoad traffic to a com	ıdes grade sepa	rations, mitigat	ting impacts of inc	portation reasing truck
	_				

2. What is the reduced truck delay that will	result from the fr	eight project?	
Step 1: Calculate the current truck dela	y (without the prop	osed project):	
Current Average Daily Traffic ADT Current delay per vehicleMinut Current percentage of trucks (%T) Current truck delay in hours = (D) = (A) × Hours	 %/100	(B)	Vehicles/day Hours
Step 2: Calculate the projected truck de	elay (<u>with</u> proposed	improvement):	
Projected Average Daily Traffic (ADT) Projected delay per vehicle: Projected percentage of trucks (%T) Projected truck delay in hours = (H) = (E	%/100	(F)	Vehicles/day Hours Hours
Step 3: Calculate the reduction in truck	delay as a result of	the proposed impr	ovement
Reduced truck delay = $(I) = (D) - (H)$ or z less than zero.	zero if calculated va		Hours
For determination of truck volume to inters directly to Step 4, skipping Steps 1 through Step 1: Calculate the current peak hour	section capacity ration 13.		
Current peak volume: Current percentage of trucks (%T)		(A) (B)	Vehicles/Hou
Current peak hour truck volume = (C) =		(C)	Truck/Peak Hour

4.

What is t	he improvement in	the volume to capacity ratio (v/c)	for truck mov	ements? (continued)
Step 2:	Convert the peak	hour truck volume to Passenger Ca	r Equivalents:	
	_	s to Passenger Car Equivalents (PCF	E) (D)	
• H	For <u>upgrades</u> use the specific site condition For <u>downgrades</u> use	the value from Table 3-6 of the Hig		
S	specific site condition	ns:		
Passeng	ger Car Equivalents	$= (E) = (C) \times (D)$:	(E)	PCE's/Peak Hour
Step 3:	Determine the cu	rrent facility capacity (without the p	proposed project):
ForFor	r multilane highway r basic freeway sect	m the Highway Capacity Manual: s, use the value from Figure 7-1 for ions on four-lane freeways, use Figure ions on six or more lane freeways use	the posted speed are 11.3-1 for the	d and LOS D. e posted speed and LOS D.
	sted speed and LOS	——————————————————————————————————————		
Number	of current lanes in	the direction of peak hour flow:	(G)	Lanes
Current	Capacity = $(H) = (H)$	F) x (G):	(H)	РСРН
Step 4:	Determine the cu	rrent truck volume to capacity ratio	:	
This for th in the	nis purpose, or can be e Highway Capacity	computed using computer software the hand calculated using the procedum Manual. (Chapter 9 for signalized nalized intersections).	re established	
Intersec	tion truck v/c:	$(J) = (I) \times (B)$	(J)	
OR				
For Hig	hways: Highw	ay truck v/c $(J) = (E) / (H)$	(J)	
Step 5:	using the method only using the co	ojected truck volume to capacity ra ds presented in the above Steps 1 thronditions and factors with the propo	ough 4, sed	
	improvements in	place.	(K)	
Step 6:		v/c for trucks = $(L) = (J) - (K)$ or zevalue is less than zero.	ero, (L)	

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and give information on current capacity and the amount of improvement.
What is the significance of this project to the <u>regional</u> economy? Describe the project's impa on the regional freight transportation system and the regional economy (i.e., nature of the improvement and principal freight moved; improved intra-regional and inter-regional freight
movement in terms of products, industries and direct employment; improved freight movement and access to domestic and international markets in terms of freight, industries are direct employment; benefits to other regional industries; and access and links to intermodal connections and facilities.)
What is the significance of this project to the <u>state</u> economy? Describe the project's impact of the state (outside the region) freight transportation system and the state (outside the region) economy. (i.e., improved intrastate freight movement in terms of products, industries and direct employment; improved freight movement to domestic and international markets in terms of freight, industries and direct employment; and benefits to other state industries.) _

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border?	No	Yes Explain.		
				_
				_
		a regional corridor solution or		
regional	planning cou	incil supportive of the project?	Describe.	
		_		
				_
-				
What : a	41	ushi sulan tuaffi a dalan af all wak	ialas9	
wnat is	tne reduced v	vehicular traffic delay of all veh	icies:	
Step 1:	Colouloto tl	he current delay (without the prop	accad project):	
Step 1.	Calculate ti	he current delay (without the prop	osed project).	
Current	Average Dail	y Traffic (ADT)	(\Delta)	Vehicles/da
	•	icle Minutes/60 =		Hours
	• 1			Hours
Current	venicie delay	in hours = $(C) = (A) \times (B)$	(C)	Hours
C4 O-	C-11-4-4	1	1	
Step 2:	Calculate ti	he projected delay (with the propo	osed improvement:	
D : 4	1 A D	'1 T (C' (ADT)	(D)	37.1.1 /1
	_	aily Traffic (ADT)	(D)	Vehicles/da
		ehicleMinutes/60 =	(E)	Hours
Projecte	ed vehicle dela	ay in hours = $(F) = (D) x (E)$	(F)	Hours
Step 3:	Calculate the	he reduction in vehicle delay as a	result of proposed improv	vement.
Reduced	d vehicle dela	y = (G) = (C) - (F) or zero if calc	ulated value	
in loon th	nan zero		(G)	Hours

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11. What is the reduced queuing and backups as a result of this project?

12.

13.

14.

ject).	
(B) (C) (D) (E)	Vehicles/lane
(F) (G) (H) (I)	Vehicles/day Lanes Vehicles/lane % Vehicles/lane
(K)	Hours
	Yes
reight project v (separating rai the project wi	_
1	(B)

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15.	Is the project located on an essential emergency vehicle access route? No Yes Describe. (i.e., fire, police, ambulance, school bus route and include closest alternative emergency access)
16.	Does this project result in additional road/rail closures? How many and where. No Yes
17.	How does the project benefit mainline rail operations (i.e., increases train speed, improves train access to terminals, etc.)? Describe.
18.	Does the project improve access to key employment areas? No Yes Describe and include the number of employees affected by the access.
19.	If, as a result of this improvement, train speed limits are planned to be increased, will the applicant be supportive? No Yes Describe level of support.

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20.	Is the project located in a non-attainment area for air pollution control? No Yes
21.	How many sensitive receptor sites are affected by the reduction in train whistle noise in the vicinity of the grade separation? (Vicinity is identified as a quarter of a mile up and down the track and 600 feet each side of centerline. Sensitive receptor sites include residences, schools, churches, hospitals, hotels and motels, each counted as individual facilities.)
22.	Why is it important to get this project underway within the next year (i.e., available funding, project impacts or other critical timing issues.)?
	project impacts of other critical tilling issues.):
23.	Are there environmental impacts of the project, which may affect implementation (i.e., displaced businesses or residences, wildlife refuge, water quality, etc.)? No Yes Explain.

24. What is the cost-effectiveness of the project? Calculate the cost effectiveness of this project, using the equation: Cost Effectiveness = Reduced Delay / Cost Reduced Truck Delay (A) = (I) from Question 2 (A) _____ Hours Step 1: Step 2: If available, from Question 3, train delay (B) is equal to the average delay per train car times the average (B) _____ Hours number of train cars per day. Cost (C) = Total cost for proposed improvement, Step 3: including engineering/design, right of way, construction (C) _____ Millions and contingencies. Cost Effectiveness (D) = ((A)+(B))/(C)(D) _____ Hours / \$M 25. Describe the degree to which least-cost alternatives were analyzed and considered for this project. 26. Describe the uniqueness of this project based on factors not addressed by previously asked questions. _____